Name _____

Observing Evaporation and Condensation
Inquiry 6.1

1. Fill in Table 1 below

Table 1:
How Water Temperature Affects Evaporation and Condensation

Water in Capped Bottle	Water Temperature (ºC)	Predications (What I Think Will Happen)	Observations (What Happened)
Hot			
Cold			

2. In which bottle did you observe the most evaporation and condensation? Why do you think this happened?

3. How did we change the amount of condensation that occurred inside the bottle?

4. How does the temperature of ***water*** affect evaporation and condensation?

5. How does the temperature of the ***air*** affect evaporation and condensation?

Modeling the Effects of Air Pressure on Cloud Formation
Inquiry 6.2

1. What are the "ingredients" for cloud formation?

2. How could we test these conditions in a bottle?

3. If we want to test how air pressure affects cloud formation, how could we create high pressure in the capped bottle?

4. How could we create low pressure in the bottle?

5. Fill in Table 2 below

Table 2:
How Air Pressure in a Bottle Affects Cloud Formation

Air Pressure in Bottle	Predictions	Observations
High		
Low		

6. What happened to the air when you squeezed the bottle, creating high pressure?

7. When you released the bottle, you created a low-pressure system. Describe the air inside the bottle when this happened.

8. How are air pressure and cloud formation related?